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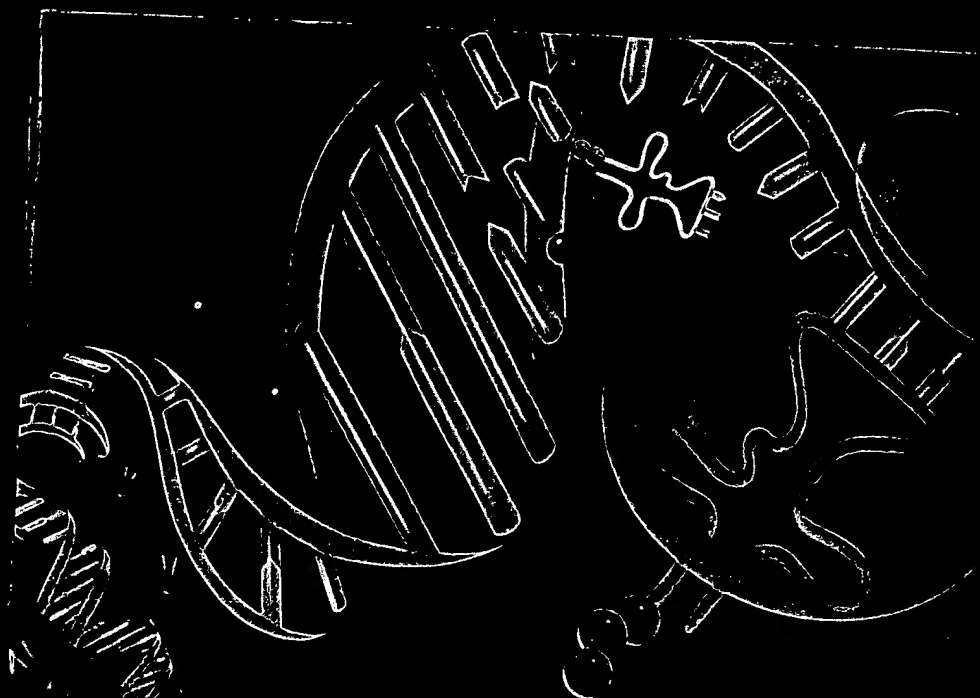
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Biochemicals and Reagents for Life Science Research

ALPHABETICAL
LIST

BIOACTIVE
PEPTIDES

IMMUNO-
CHEMICALS

MOLECULAR
BIOLOGY

RBI,
NEUROSCIENCE,
SIGNAL
TRANSDUCTION

TISSUE
CULTURE

OTHER
PRODUCT
GROUPS/USP

EQUIPMENT,
BOOKS AND
SUPPLIES

DIAGNOSTIC
KITS AND
REAGENTS

PRODUCT
INDEX



SIGMA®

DS

ALPHABETICAL LIST OF COMPOUNDS

500 g	15.90
25 g	10.95
100 g	18.70
500 g	74.05
1 kg	131.55
1 bottle	14.30
Non-mailable	
6/37-45	
G.P. J. Am. Chem.	
6/37-45	
DIIMIDE	1 g 11.70
	5 g 39.00
	10 g 65.00
	25 g 130.00
n. Chem. Soc., 89, 183	
36/37-39	
AMOYL	1 g 27.00
hydroxy	
eptane	
FW 397.6	
FAMOYL	
5 g 107.75	
hydroxy	
eptane	
FW 397.6	
8.095	
5 g 12.55	
acid	
10 g 20.60	
h 8 times the potency of	
n; blocks bradykinin and	
tion of guinea pig ileum	
FW 346.0	
6	
100 mg 13.55	
500 mg 44.60	
1 g 74.15	
UTANE	
100 mg 17.90	
250 mg 34.50	
1 g 89.70	
100 mg 17.90	
250 mg 34.50	
1 g 89.70	
100 mg 17.20	
100 mg 17.20	

techinfo

PRODUCT NUMBER	130009	ABUS S
D 1500	Approx. 95% Crystalline	100 mg 13.55
N,O-DIDANSYL-L-TYROSINE		
D 2375		
Monocyclohexylammonium Salt		
Approx. 95%		
[102783-47-1] C ₂₃ H ₃₃ N ₃ O ₅ S ₂ • C ₆ H ₁₁ N FW 746.9		
1,2-DIDECANOYL- α -GLYCEROL		
D 6389		
(C10:0) (1,2-Dicaprin) (thylamine)		
Approx. 99%		
Cell-permeable activator of protein kinase C in platelets		
Ref.: Lapetina, E.G., et al., J. Biol. Chem., 260, 1358 (1985)		
[82950-64-9] C ₄₂ H ₈₄ O ₅ FW 400.6		
2,3-DIDEHYDRO-3'-DEOXY-THYMIDINE		
D 1413		
(1,2,3-Dideoxy- β -D-glycero-pent-2-enofuranosylthymine; 2',3'-Anhydrothymidine; d4T)		
Minimum 98%		
Nucleoside analog which inhibits HIV replication in vitro		
Ref.: Lin, T.S., et al., Biochem. Pharmacol., 17, 2713 (1987)		
Baba, M., et al., Biochem. Biophys. Res. Commun., 142, 128 (1987)		
[3056-17-5] C ₁₀ H ₁₄ N ₂ O ₂ FW 224.2		
2,3-DIDEOXYADENOSINE		
D 1285		
(DDA)		
Approx. 97%		
[4097-22-7] C ₁₀ H ₁₄ N ₂ O ₂ FW 225.2		
2,3-DIDEOXYADENOSINE 5'-TRIPHOSPHATE		
D 7284		
Sodium Salt		
Minimum 85% (HPLC)		
Inhibitor of DNA polymerase α -catalyzed chain elongation		
Ref.: Sanger, F., et al., Proc. Natl. Acad. Sci. USA, 74, 5463 (1977)		
See also: Molecular Biology Reagents Page 1610		
[132619-65-9] C ₂₀ H ₂₈ N ₅ O ₁₃ P ₃ FW 475.2 (for free acid)		
2,6-DIDEOXY-D-ALLOSE		
See: (D)-Digitoxose Page 363		
2,3-DIDEOXYCYTIDINE		
D 8782		
(DDC)		
Minimum 98%		
[7481-89-2] C ₉ H ₁₃ N ₃ O ₂ FW 211.2		
R: 61 S: 45-36/37-39-22		
DIDEOXYCYTIDINE, ANTIBODY TO		
See: Immunochemicals Page 1304		
2,3-DIDEOXYCYTIDINE, ³ H-Labeled		
See: Immunochemicals Page 1305 and Radiochemicals Page 2177		
2,3-DIDEOXYCYTIDINE 5'-TRIPHOSPHATE		
Inhibitor of DNA polymerase α -catalyzed chain elongation		
Ref.: Sanger, F., et al., Proc. Natl. Acad. Sci. USA, 74, 5463 (1977)		
See also: Molecular Biology Reagents Page 1610		
D 4770		
Lithium Salt		
Minimum 85%		
[93939-77-6] C ₉ H ₁₃ N ₃ O ₁₀ P ₃ FW 451.2 (for free acid)		
R: 61 S: 45-36/37-39-22		

(Continued)

PRODUCT NUMBER	130009	ABUS S
(Continuation of AN-000000-1, 1-XYOEN-000000-1)		
2,3-DIDEOXYCYTIDINE 5'-TRIPHOSPHATE		
D 7159		
Sodium Salt		
Minimum 90% (HPLC)		
[132619-66-0] C ₉ H ₁₃ N ₃ O ₁₀ P ₃ FW 451.2 (for free acid)		
R: 61 S: 45-36/37-39-22		
9,11-DIDEOXY-9 α ,11 α -EPOXY-METHANOPROSTA-		
D 0400		
GLANDIN F ₂		
(U44069)		
[56985-32-1] C ₂₀ H ₃₂ O ₅ FW 350.5		
R: 20/21/22 S: 36-22		
9,11-DIDEOXY-11 α ,9 α -EPOXY-METHANOPROSTA-		
D 8174		
GLANDIN F ₂		
(U46619)		
[56985-40-1] C ₂₀ H ₃₂ O ₅ FW 350.5		
R: 11/20/21/22/36/37/38 S: 16-3/7/9-26-36		
2-DEOXY-1,4-DIHYDROXY-5-DEOXY- α -D-GLUCOPYRANOSYL- β -D-GLUCOPYRANOSIDE		
1,9-DIDEOXYFORSKOLIN		
D 3658		
(7 β -Acetoxy-6 β -hydroxy-8,13-epoxy-14-en-11-one) anibumyl		
From <i>Coleus forskohlii</i>		
Minimum 98%		
Biologically inactive forskolin analog		
Ref.: 1. Bhat, S.V., et al., Tetrahedron Lett., 1669 (1977)		
2. Seamon, K.B., et al., J. Med. Chem., 26, 436 (1983)		
3. Bhat, S.V., et al., J. Med. Chem., 26, 486 (1983)		
See also: 6-Acetyl-7-deacetyl-forskolin Page 36		
7-Deacetyl-1-deoxyforskolin Page 325		
7-Deacetyl-1,9-dideoxyforskolin Page 325		
Deacetyl-forskolin Page 325		
1-Deoxyforskolin Page 332		
Forskolin Page 462		
6 β -Hydroxy-8,13-epoxy-14-en-11-one		
Page 566		
9 α -Hydroxy-8,13-epoxy-14-en-11-one		
Page 566		
[64657-18-7] C ₂₂ H ₃₄ O ₅ FW 378.5		
1-(2,3-DIDEOXY- β -D-GLYCERO-PENT-2-ENOFURANOSYL)THYMINE		
See: 3'-Deoxy-2',3'-Didehydrothymidine Page 357		
2,3-DIDEOXYGUANOSINE 5'-TRIPHOSPHATE		
D 7409		
Sodium Salt		
Minimum 90%		
Inhibitor of DNA polymerase α -catalyzed chain elongation		
Ref.: Sanger, F., et al., Proc. Natl. Acad. Sci. USA, 74, 5463 (1977)		
See also: Molecular Biology Reagents Page 1610		
[68726-28-3] C ₁₀ H ₁₄ N ₅ O ₁₃ P ₃ FW 491.2 (for free acid)		
1,4-DIDEOXY-1,4-IMINO- α -ARABINITOL		
D 1542		
(2-Hydroxymethyl-3,4-pyrrolidinediol)		
α -Glucosidase inhibitor		
Ref.: Fleet, G.W.J. and Smith, P.W., Tetrahedron, 42, 5685 (1986)		
See also: Molecular Biology Reagents Page 1610		
[100937-52-8] C ₅ H ₁₁ NO ₃ • HCl FW 169.6		

D

MOLECULAR BIOLOGY PRODUCTS

SEQUENCING

Molecular Biology Products

PRODUCT NUMBER

PRODUCT NUMBER

(Continuation of)
PRIMER SETS, Fluorescent-Labeled for Automated Sequencing

- P 3348** (-40) M13 Forward Primer Set
(5'-GTT TTC CCA GTC ACG ACG-3')
- P 3223** (-29) M13 Reverse Primer Set
(5'-CAG GAA ACA GCT ATG ACC-3')
- P 3473** Lambda gt10 Forward Primer Set
(5'-AGC AAG TTC AGC CTG GTT AAG-3')
- P 6098** Lambda gt10 Reverse Primer Set
(5'-CTT ATG AGT ATT TCT TCC AGG GTA-3')
- P 6723** T3 Phage Promoter Primer Set
(5'-ATT AAC CCT CAC TAA AGG GA-3')
- P 7348** T7 Phage Promoter Primer Set
(5'-TAA TAC GAC TCA CTA TAG GG-3')
- P 7973** SP6 Promoter Primer Set
(5'-ATT TAG GTG ACA CTA TAG-3')
- P 8598** Poly(T)AGC Primer Set
(5'-TTT TTT TTT TTT TTT TTT TTA GC-3')

NUCLEOTIDE SOLUTIONS FOR RESOLVING SEQUENCE AMBIGUITIES

Used for eliminating band compressions caused by the ability of G residues to form secondary structures which are not fully denatured during electrophoresis. Ref.: 1. Mizusawa, S., et al., Nucl. Acids Res., 14, 1319 (1986).
2. Barr, P.J., et al., Biotechniques, 4, 428 (1986).

- D 5163** 2'-Deoxyinosine 1 μ mole 15.50
5'-Triphosphate Shipped in dry ice
(dTTP)
Sodium Salt
5 mM aqueous solution
[95648-77-4] C₁₀H₁₅N₄O₁₃P₃ FW 492.2 (for free acid)
- D 8783** 7-Deaza-2'-deoxyguanosine 0.5 μ mole 54.60
5'-Triphosphate Shipped in dry ice
(-N⁷-dGTP)
Lithium Salt
10 mM aqueous solution
[101515-08-6] C₁₁H₁₇N₄O₁₃P₃ FW 506.2 (for free acid)

DIDEOXYNUCLEOSIDE TRIPHOSPHATE SOLUTIONS 10 mM solutions, pH 7.0

- D 5413** 2',3'-Dideoxyadenosine 0.5 μ mole 22.55
5'-Triphosphate (ddATP) Shipped in dry ice
Lithium Salt
[93939-70-9]
- D 5538** 2',3'-Dideoxycytidine 5'-Triphosphate (ddCTP) 0.5 μ mole 22.55
Shipped in dry ice
Lithium Salt
[93939-77-6]
R: 61 S: 45-36/37/39-23
- D 5663** 2',3'-Dideoxyguanosine 0.5 μ mole 22.55
5'-Triphosphate (ddGTP) Shipped in dry ice
Lithium Salt
[93939-69-6]
- D 1789** 2',3'-Dideoxyinosine 0.5 μ mole 56.30
5'-Triphosphate (ddITP) Shipped in dry ice
Lithium Salt
[93858-64-1]
- D 5288** (3'-Deoxythymidine 5'-Triphosphate; ddTTP) (dTTP) 0.5 μ mole 22.55
Shipped in dry ice
Lithium Salt
[93939-78-7]

MANUAL AND AUTOMATED SEQUENCING KITS

SEQ-1
DNA SEQUENCING REAGENTS FOR 1 kit
MAXAM-GILBERT (CHEMICAL DEGRADATION) METHODOLOGY
This DNA sequencing kit contains all necessary buffers and modifying reagents used in the Maxam-Gilbert chemical degradation method of DNA sequencing. NO DEA LICENSE IS REQUIRED FOR THIS KIT.
Kit contains sufficient reagents for approx. 100 reactions of sequencing reactions.

D 5154 Dimethyl Sulfate Stop Solution
Used to stop guanosine modification reaction

D 5279 Dimethyl Sulfate
Modification reagent for guanosine

D 5404 Dimethyl Sulfate Buffer
Buffer for guanosine modification reaction

F 4011 Ferric Chloride, 3.0 M
For disposal of hydrazine

H 1764 Hydrazine Stop Solution
Used to stop pyrimidine modification reaction

H 2761 Hydrazine, Anhydrous
Modification reagent for pyrimidines

P 5881 Piperidine
Cleaves DNA strands at modified bases

F 4636 Formic Acid
Modification reagent for purine bases

S 8388 Sodium Acetate, 0.3 M
Used in ethanol precipitation of DNA

S 8513 Sodium Chloride, 5.0 M
Inhibits modification of thymine by hydrazine

S 8263 Sodium Hydroxide, 5.0 M
For disposal of dimethyl sulfate

W 4502 Water, 18 megohm, 0.2 μ m filtered
For reconstitution of buffers and use in modification reactions

Ref.: Maxam, A.M. and Gilbert, W., Meth. Enzymol. 65, 499 (1980).
R: 11-45-46-26/27-28-34-42/43 S: 45-26-36/37/39-23